Est. cost: 1500.00 Lakhs

M. A. R. 57 (Rule 116)
Measurement Book

No. E 583533

Serial No. Job Code No: 001-21-000020

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency M/s SLP Infra Engineering (Sri H.S Yashwanth Gowda)

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Name of work: Improvements and Development and widening of road from National Highway to Railway line via Nitte Meenakshi college Road till BBMP limits.

Work order NO: EE/project/YNK Zone/W.O/17/2021-22 Dated: 25-08-2021

Agreement NO: EE/project/YNK Zone/AG/17/2021-22 Dated: -25-08-2021

Item NO 1: clearing and grubbing road land including up rooting rank

present qty to be paid vide EMB Page NO (125) => 28225.58 Sqm

@ Rs 15.61/Sqm => 440608.36

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	previous Qty paid vide 1st and part bill					=>	4351.64 Sq.m.
Item NO 2:	Dismantling of existing structures like culverts, bridges..						
	present Qty to be paid vide EMB page no (125)					=>	620.77 Cum
	@ Rs 309.45/cum			=>	192098.05		
	previous Qty paid vide 1st and part bill					=>	639.03 Cum
Item NO 3:	Dismantling burnt brick masonry ~~by manual~~ in clay mortor/lime..						
	present Qty to be paid vide EMB page NO (125)					=>	319.74 Cum
	@ Rs 264.46/cum			=>	84556.63		
	previous Qty paid vide 1st and part bill					=>	399.94 Cum
Item NO 4:	Removing B.S. slab of Drain and stacking.						
	present Qty to be paid vide EMB page NO (125)					=>	2664.92 Sqm

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Measurement Book

No. E 583534

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rs 105.60/sqm			⇒ 281412.22			
	previous qty paid vide 1st and part bill					⇒ 567.70 Sqm	
	Item No 5: Earth work excavation by manual means in ordinary soil						
	present qty to be paid vide EMB page No (125)					⇒ 1557.24 Cum	
	@ Rs 212.12/Cum			⇒ 330315.55			
	previous qty paid vide 1st and part bill					⇒ 5041.35 Cum	
	Item No 6: providing and laying plain cement concrete of mix 1:3:6 with OPC.						
	present qty to be paid vide EMB page No (125)					⇒ 178.35 Cum	
	@ Rs 5476.44/Cum			⇒ 976719.50			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	previous qty paid vide 1st and part bill =>						647.31 Cum
Item No 7: providing and laying plain/reinforced cement concrete							
	present qty to be paid vide EMB page No (125) =>						328.37 cum
	@ Rs 7141.23/cum =>						2344971.13
	previous qty paid vide 1st and part bill =>						1195.72 cum.
Item No 8: providing T.M.T steel reinforcement for RCC work.							
	present qty to be paid vide EMB page No (126) =>						23.82 MT
	@ Rs 65702.62/MT =>						1565148.26
	previous qty paid vide 1st and part bill =>						92.03 MT

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Measurement Book

583535

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO 9: providing and fixing RCC precast cover slabs of 100mm thick present qty to be paid vide EMB page NO (129) @ Rs 2360.82/sqm					=> 630.45 Sqm. => 1488379.44	
	previous qty paid vide 1st and part bill					=> 2564.37 Sqm	
	Item NO 10: providing and fixing RCC precast cover slab of 250 mm thick present qty to be paid vide EMB page NO (130)					=> 295.39 Sqm.	
	qty up to 125%.	18.00 Sqm				@ Rs 5472.77/sq => 98509.86	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty above 125% => 277.39 Sqm						
	@Rs 5472.77/Sqm => 1518091.67						
	Previous Qty paid vide 1st and part bill => 72.00 Sqm						
Item NO 11:	Excavation for roadbed in soil with hydraulic excavator						
	present Qty to be paid vide EMB page NO (126) => 5320.80 Cum						
	@Rs 59.69/Cum => 317578.56						
	previous Qty paid vide 1st and part bill => 0.00 Cum						
Item NO 12:	construction of Embankment with material gravel/murrum.						
	present Qty to be paid vide EMB page NO (126) => 16598.02 Cum						
	@ Rs 348.02/Cum => 5776387.50						
	previous Qty paid vide 1st and part bill => 0.00 Cum						

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Measurement Book

583536

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 13: Scarifying bituminous course 50mm to 75mm thick along with premix carpet						
	present Qty to be paid vide EMB page No (126)					=>	11546.70 Sqm.
	@ Rs 41.32/ Sqm		=>		477124.08		
	previous Qty paid vide 1st and part bill					=>	0.00 Sqm
	Item No 14: Compaction of original ground with maximum of 6 passes of 8 to 10 tons						
	present Qty to be paid vide EMB page No (126)					=>	35097.95 Sqm
	@ Rs 6.43/ Sqm		=>		225600.83		
	Previous Qty paid vide 1st and part bill					=>	0.00 Sqm

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 15: Construction of granular Sub-base Grading -V as Sub-base and drainage.						
	present Qty to be paid vide EMB page No (126)					=> 7019.59 Cum	
	@ Rs 2014.64/cum			=>		14149449.30	
	previous Qty paid vide 1st and part bill					=> 0.00 Cum	
	Item No 16: providing, laying, Spreading and compacting crushed stone						
	present Qty to be paid vide EMB page No (126)					=> 8430.15 Cum	
	@ Rs 2021.07/cum			=>		17037912.30	
	previous Qty paid vide 1st and part bill					=> 0.00 Cum	
	Item No 17: providing and applying prime coat with S.S. bitumen						
	present Qty to be paid vide EMB page No (126)					=> 33720.61 Sqm	
	@ Rs 30.30/Sqm			=>		1011810.28	
	previous Qty paid vide 1st and part bill					=> 0.00 Sqm	

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583537

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 18: providing and laying dense graded bituminous macadam - present Qty to be paid vide EMB Page No (127)					=> 1686.03 Cum	
	@ Rs 6471.83/cum			=>	10911695.22		
	previous Qty paid vide 1st and part bill					=>	0.00 Cum.
	Item no 19: providing and applying tack coat using 80/100 grade bitumen						
	present Qty to be paid vide EMB page no (127)						=> 33720.61 Sqm
	@ Rs 12.86/sqm			=>	433495.27		
	previous Qty paid vide 1st and part bill					=>	0.00 Sqm

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item no 20: providing and laying bituminous concrete 40mm thick with hot mix						
	present qty to be paid vide EMB page no (138)					1348.82 cum	
	@ Rs 7613.21/cum				=> 10268883.66		
	previous qty paid vide 1st and part bill					=> 0.00 cum	
	Item no 21: providing and laying in position plain cement concrete of Mix 1:2						
	present qty to be paid vide EMB page no (27)					= 125.05 cum	
	@ Rs 5805.18/cum				=> 725937.32		
	previous qty paid vide 1st and part bill					=> 0.00 cum	
	Item no 22: Filling available Excavated earth (excluding rock) in sides of						
	present qty to be paid vide EMB page no (141)					= 384.06 cum	
	@ ~~Rs~~ Rs 214.87/cum				=> 82523.16		
	previous qty paid vide 1st and part bill					=> 0.00 cum	

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583538

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 23: providing and fixing precast Solid Cement Concrete Kerbs. present qty to be paid vide EMB page No (142 to 149) => 13894.00 No's @ Rs 437.09/No => 6072886.78 previous qty paid vide 1st and part bill => 0.00 No's						
	Item No 24: painting two coats after filling the surface with Synthetic enamel paint present Qty to be paid vide EMB page No (150 to 155) => 2501.00 Sqm @ Rs 85.40/Sqm => 213578.52 previous qty paid vide 1st and part bill => 0.00 Sqm						
	Item No 25: Road Marking with Hot applied Thermoplastic compound present qty to be paid vide EMB page No (156 to 159) => 1492.50 Sqm @ Rs 459.13/Sqm => 685244.06						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	previous Qty paid vide 1st and part bill => 0.00 Sqm						
Item No 26:	providing and fixing of road stud 100 x 100mm die cast in aluminium						
	present Qty to be paid vide EMB page No (160 to 163) => 2156.00 No's						
	@ Rs 360.87/No's => 778040.57						
	previous Qty paid vide 5th and part bill => 0.00 No's						
Item No 27:	Supply and fixing of Retro Reflective single arrow Road Nam Sign board						
	present Qty to be paid vide EMB page No (164) => ~~14236.55~~ 7.20 Sqm						
	@ Rs 14236.55/Sqm => 102503.15						
	previous Qty paid vide 1st and part bill => 0.00 Sqm.						
Item No 28:	Retro-Reflectorised traffic Signs - manufacture, Supply & installation						
	present Qty to be paid vide EMB page No (168) => 8.00 No's						
	@ Rs 5403.90/No => 43231.2						
	previous Qty paid vide 1st and part bill => 0.00 No's						

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Measurement Book

583539

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 29: Retro-Reflectorised Traffic signs providing and fixing of Retro- present Qty to be paid vide EMB page no (166) => 10.00 Nos @ Rs 3697.79/No => 36977.93 Previous Qty paid vide 1st and part bill => 0.00						
	Item No 30: Fabricating, Supplying and erection of -- Mts long hot dip Galvanized 8' pole Present Qty to be paid => 0.00 No's Previous Qty paid vide 1st and part bill = 0.00 No's						
	Item No 31: Double Arm Bracket with 1500mm Standard 60/50 mm dia Present Qty to be paid => 0.00 No's Previous Qty paid vide 1st and part bill = 0.00 No's						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Item No 32: Supply of LED Streetlight luminaire with pressure die cast

present Qty to be paid => 0.00 Nos

previous Qty paid vide 1st and part bill => 0.00 Nos

Item No 33: Fabricating supplying and mounting MS box made out :-

present Qty to be paid => 0.00 Sqm

previous Qty paid vide 1st and part bill = 0.00 Sqm Sq.cm

Item No 34: Supplying and fixing angle iron frame work fabricated out of MS

present Qty To be paid => 0.00 Sq.m

previous Qty paid vide 1st and part bill = 0.00 No's

Item No 35: Supplying and fixing Moulded Case Circuit Breaker (MCCB) over

present Qty to be paid => 0.00 Nos

previous Qty paid vide 1st and part bill = 0.00 No's

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Measurement Book

583540

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Item NO 36: Supplying and fixing miniature circuit breakers on existing MCB						
	present Qty to be paid		=> 0.000 NO's				
	previous Qty paid vide 1st and part bill					=> 0.00 NO's	
	Item NO 37: Supplying and fixing of ... mm dia class A GI. pipe bracket.						
	present Qty to be paid		=> 0.00 NO's				
	previous Qty paid vide 1st and part bill					=> 0.00 NO's	
	Item NO 38: Supplying of 1.1 KV LT UG cable XLPE or Heat resistance PVC Insulated						
	present Qty to be paid		=> 0.00 ~~NO's~~			mt	
	previous Qty paid vide 1st and part bill					=> 0.00 ~~NO's~~ mt	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO 39: Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC						
	present Qty to be paid => 0.00 m						
	previous Qty paid vide 1st and part bill => 0.00 m.						
	Item NO 40: Labour charges for laying of 1.1 KV class UG cable						
	present Qty to be paid => 0.00 m.						
	previous Qty paid vide 1st and part bill = 0.00 m						
	Item NO 41: Labour charges for laying of 1.1 KV class UG cable in existing						
	present Qty to be paid => 0.00 m.						
	previous Qty paid vide 1st and part bill => 0.00 m						
	Item NO 42: Digging of trench of 0.6m deep x 0.30m wide refilling the trench						
	present Qty to be paid => 0.00 m						
	previous Qty to be paid vide 1st and part bill => 0.00 m						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583541

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 43: wiring for lighting/power circuit using one of FRLS pvc present Qty to be paid => 0.00 m previous Qty paid vide 1st and part bill => 0.00 m. Item No 44: wiring for lighting/power circuit using one of FRLS pvc present Qty to be paid => 0.00 m previous Qty paid vide 1st and part bill => 0.00 m. Item no 45: providing RCC pole Pedastal of size 0.5x0.5x1.6 mt including dig present Qty to be paid => 0.00 No's previous Qty paid vide 1st and part bill => 0.00 No's						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No 46:	Supplying, fixing, wiring earth electrode for grounding.						
	present qty to be paid => 0.00 NO's						
	previous qty paid vide 1st and part bill => 0.00 No's						
Item No 47:	Thiristor based single/three phase smart street light contr						
	present qty to be paid => 0.00 No's						
	previous qty paid vide 1st and part bill => 0.00 No's						
Item No 48:	Supplying and fixing. L.T cast iron post heads suitable for						
	present qty to be paid => 0.00 No's						
	previous qty paid vide 1st and part bill => 0.00 No's						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583542

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	EIRL items						
	Item E1: 11 KV 3x400 Sq mm XLPE UG Cable Round Armed.						
	present Qty to be paid vide EMB page NO (167)					=>	4.0 Kmtr.
	@ Rs 2245566.00/Kmtr			=>	8982264.00		
	previous Qty paid vide 1st and part bill					=>	0.00 Kmtr
	Item NO E2: Heat Shrinkable 11 KV 400 Sq mm UG Cable Indoor pot head XLPE.						
	present Qty to be paid vide EMB page NO (167)					=>	15.00 NO's
	@ Rs 4268.00/NO			=>	64020.00		
	previous Qty paid vide 1st and part bill					=>	0.00 NO's

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E3: Labour charges for Heat shrinkable 11KV 400 Sqmm UG Cable						
	present qty to be paid vide EMB page NO (167)						=> 15.00 NO's
	@ Rs 1709.00/NO		=>	25635.00			
	previous qty paid vide 1st and part bill						=> 0.00 NO's
	Item NO E4: Straight through joint kits Heat shrinkable type suitable for						
	present qty to be paid vide EMB page NO (167)						=> ~~9706.00~~ Qty 14.00 NO's
	@ Rs 9706.00/NO		=>	135884.00			
	previous qty paid vide 1st and part bill						=> 0.00 NO's
	Item NO E5: Labour charges for straight through joint kits Heat Shrinkable type						
	present qty to be paid vide EMB page NO (168)						=> 14.00 NO's
	@ Rs 1865.00/NO		=>	26110.00			
	previous qty paid vide 1st and part bill						=> 0.00 NO's

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Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E6: 11 Kv. 3core. XLPE HT UG Cable Round armed 3x95 Sq.mm.						
	present qty to be paid vide EMB page NO (168)					=>	1.20 Kmtr
	@ Rs 782621.00/Kmtr					=>	939145.20
	previous qty paid vide 1st and part bill					=>	0.00 Kmtr
	Item NO E7: Straight through jointing kits HS Type suitable for 95 Sq.mm cable						
	present qty to be paid vide EMB page no (168)					=>	10.00 Nos
	@ Rs 6481.00/NO					=>	64810.00
	previous qty paid vide 1st and part bill					=>	0.00 No's.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No E8: Labour charges for Straight through jointing Kits HS Type:						
	present Qty to be paid vide EMB page No (168)					=>	10.00 No's
	@ Rs 1865.00/No	=>	18650.00				
	previous Qty paid vide 1st and part bill					=>	0.00 No's
	Item No E9: Heat shrinkable Indoor Type cable Termination Kit						
	present Qty to be paid vide EMB page No (168)					=>	12.00 No's
	@ Rs 3319.00/No	=>	39828.00				
	previous Qty paid vide 1st and part bill					=>	0.00 No's
	Item No E10: Labour charges for Heat shrinkable Indoor Type Cable						
	present Qty to be paid vide EMB page No (169)					=>	12.00 No's
	@ Rs 1709.00/No	=>	20508.00				
	previous Qty paid vide 1st and part bill					=>	0.00 No's

M. A. R. 57 (Rule 116) No. E

Measurement Book

583541

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E11 : 11KV, 3core, XLPE HT UG cable Round aremed 3x240 sq mm.						
	present Qty to be paid vide EMB page NO (169)					=>	0.65 kmtr
	@ Rs 1471370.00/Kmtr					=> 956390.50	
	previous Qty paid vide 1st and part bill					=> 0.00	kmtr
	Item NO E12 : Straight through jointing kits HS Type suitable for 240mm cable						
	present Qty to be paid vide EMB page NO (169)					=>	2.00 NO's
	@ Rs 11227.00/NO					=> 22454.00	
	previous Qty paid vide 1st and part bill					=> 0.00	NO's
	Item NO E3 : Labourcharges for straight through jointing kit HS Type						
	present Qty to be paid vide EMB page no (169)					=>	2.00 NO's
	@ Rs 1865.00/NO					=> 3730.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	previous qty paid vide 1st and part bill => 0.00 NO's						
Item NO E14: Heat Shrinkable Indoor type cable Termination kit for XLPE.							
	present qty to be paid vide EMB page NO (169, 170) => 1.00 NO						
	@ Rs 4159.00/NO => 4159.00						
	previous qty paid vide 1st and part bill => 0.00						
Item NO E15: Labour charges for Heat shrinkable Indoor type cable Termination kit							
	present qty to be paid vide EMB page NO (170) => 1.00 NO's						
	@ Rs 1709.00/NO => 1709.00						
	previous qty paid vide 1st and part bill => 0.00 NO's						
Item NO E16: Heat shrinkable outdoor type cable Termination kit for XLPE							
	present qty to be paid vide EMB page NO (170) => 3.00 NO's						
	@ Rs 4715.00/NO => 14145.00						
	previous qty paid vide 1st and part bill => 0.00 NO						

M. A. R. 57 (Rule 116) No. E 583545
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Item NO E17: Labour charges for Heat Shrink cable outdoor type cable termination present qty to be paid vide EMB page NO (170)				=> 3.00 NO's	
	@ Rs 1709.00/NO				=> 5127.00	
	previous qty paid vide 1st and part bill				=> 0.00 NO's	
	Item NO E18: Labour charges for Earthwork Excavation for cable trench of 0.57D 0.75m					
	present qty to be paid vide EMB page NO (170)				=> ~~226.00~~ 3500.00 cmtr Lft	
	@ Rs 226.00/cmtr				=> 791000.00	
	previous qty paid vide 1st and part bill				=> 0.00 cmtr	
	Item NO E19: Sand. 7					
	present qty to be paid vide EMB page NO (171)				=> 500 cmtr	
	@ Rs 1700.00/cmtr Lft				=> ~~170000~~ 850000.00	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	previous qty paid vide 1st and part bill => 0.00 Cmtr						
	Item No E20: Labour charges for Band.						
	present qty to be paid vide EMB page No (171) => 500.00 Cmtr						
	@ Rs 96.59 / Cmtr => Rs 8295.00						
	previous qty paid vide 1st and part bill => 0.00 Cmtr						
	Item No E21: GI pipe, 150mm dia for drain crossing, cable raising etc						
	present qty to be paid vide EMB page No (171) => 400.00 mtr						
	@ Rs 1243.00 / mtr => Rs 497200.00						
	previous qty paid vide 1st and part bill => 0.00 mtr						
	Item No E22: Labour charges for GI pipe, 150mm dia for drain crossing						
	present qty to be paid vide EMB page No (171) => 400.00 mtr						
	@ Rs 50.00 / mtr => Rs 20000.00						
	previous qty paid vide 1st and part bill => 0.00 mtr						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583546

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	PART C: DTC Shifting					
	Item NO E23: Spun pole 11.0mt long: present Qty to be paid vide EMB page no (171) @ Rs 16850.00/NO				=> 3.00 NO's => 50550.00	
	previous Qty paid vide 1st and part bill				=> 0.00 NO's.	
	Item NO E24: Labour charges for spun pole 11.0 mt long. present Qty to be paid vide EMB page NO (172) @ Rs 2901.00/NO				=> 3.00 NO's => 8703.00	
	previous Qty paid vide 1st and part bill				=> 0.00 NO's	
	Item NO E25: Single pole transformer structure kit for 250 KVA. present Qty to be paid vide EMB page NO (172) @ Rs 26734.00/~~NO~~ set				=> 3.00 ~~Set~~ set => 80202.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	previous qty paid vide 1st and part bill => 0.00 ~~NO~~ Set						
Item NO E26:	Labour charges for single pole transformer structure kit for 200KVA						
	present qty to be paid vide EMB page NO (172) => 3.00 Set						
	@ Rs 2238.00/set => 6714.00						
	previous qty paid vide 1st and part bill => 0.00 Set						
	Concreting materials for 11 mtrs Spun pole:						
Item NO E27:	Labour charges for Base Concreting 1:4:8						1000x1000x150mm.
	present qty to be paid vide EMB page NO (172)						=> 3.00 Each
	@ Rs 730.00/Each => 2190.00						
	previous qty paid vide 1st and part bill =>						0.00 Each

M. A. R. 57 (Rule 116) No. E 583547
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E28: Labour charges for pole concreting 1:4:8					1000x1000x150mm	
	present Qty to be paid vide EMB page NO (173)					=> 3.00 Each	
	@ Rs 12177.00/Each		=>	36531.00			
	previous Qty paid vide 1st and part bill					=> 0.00 Each	
	Item NO E29: Labour charges for coping concreting 1:4:8					1000x1000x150mm	
	present Qty to be paid vide EMB page NO (173)					=> 3.00 Each	
	@ Rs 1930.00/Each		=>	5790.00			
	previous Qty paid vide 1st and part bill					=> 0.00 Each	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Item NO E30: Labour charges for construction of platform (1.5x1.5x1.2) mtr

present Qty to be paid vide EMB page NO (173) => 3.00 per structure

@ Rs 26401.00/structure => 79203.00

previous Qty paid vide 1st and part bill => 0.00 per structure

Item NO E31: HT Single top support with bolts, nuts & washers

present Qty to be paid vide EMB page NO (173) => 9.00 kmtr

@ Rs 78.00/Kmtr => 702.00

previous Qty paid vide 1st and part bill => 0.00 kmtr

Item NO E32: Labour charges for HT Single top support with bolts, nuts & washers

present Qty To be paid vide EMB page NO (173 & 174) => 9.00 kmtr

@ Rs 70.00/kmt => 630.00

previous Qty ~~To be~~ paid vide 1st and part bill => 0.00 kmt

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583548

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No E33: Rabbit ACSR conductor for jumps.						
	present Qty to be paid vide EMB page no (174)					=>	1.30 Kmtr
	@ Rs 36497.00/kmtr					=>	47446.10
	previous Qty paid vide 1st and part bill					=>	0.00 Kmtr
	Item No E34: Labour charges for Rabbit ACSR conductor for jumps						
	present Qty to be paid vide EMB page No (174)					=>	1.30 Kmtr
	@ Rs 3443.00/kmtr					=>	4475.90
	previous Qty paid vide 1st and part bill					=>	0.00 Kmtr.
	Item No E35: Alkathene tube 19 mm dia and in coils of 30 mtrs						
	present Qty to be paid vide EMB page no (174)					=>	9.00 Coils
	@ Rs 458.00/coil					=>	4122.00
	previous Qty paid vide 1st and part bill					=>	0.00 Coils

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E36: Earthing materials pipe type for grounding as per Drawing						
	present Qty to be paid vide EMB page NO (174) => 12.00 Set						
	@ Rs 1501.00/set => 18012.00						
	previous Qty to be paid vide 1st and part bill => 0.00 Set						
	Item NO E37: Labour charges for Earthing materials pipe type for grounding						
	present Qty to be paid vide EMB page NO (174 & 175) => 12.00 Set						
	@ Rs 631.00/set => 7571.00						
	previous Qty paid vide 1st and part bill => 0.00 Set.						
	Item NO E38: Bolt and Nuts of various sizes.						
	present Qty to be paid vide EMB page NO (175) => 30.00 kgs						
	@ Rs 84.09/kg => 2522.70						
	previous Qty paid vide 1st and part bill => 0.00 kgs						

M. A. R. 57 (Rule 116) **No. E** 583549

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Part-C Proposed material for LT line.					
	Item No E39: 9mtrs long RCC pole					
	present Qty to be paid vide EMB page No (175)				=> 25.00 NO's	
	@ Rs 6258.00/NO				=> 156450.00	
	previous Qty paid vide 1st and part bill				=> 0.00 NO's	
	Item No E40: Labour charges for 9mtr long RCC pole					
	present Qty to be paid vide EMB page No (175)				=> 25.00 NO's	
	@ Rs 1166.00/NO				=> 29150.00	
	previous Qty paid vide 1st and part bill				=> 0.00 NO's	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E41 : Labour charges for Digging of pits 1.6m Depth for Erection.						
	present qty to be paid vide EMB page NO (175)					=> 80.00 NO's	
	@ Rs 1151.00/NO		=>	92080.00			
	previous qty paid vide 1st and part bill					=> 0.00 NO's	
	Item NO E42 : LT 2Pin Cross arm.						
	present qty to be paid vide EMB page NO (176)					=> 80. NO's	
	@ Rs 115.00/NO		=>	9200.00			
	previous qty paid vide 1st and part bill					=> 0.00 NO's	
	Item NO E43 : Labour charges for LT 2Pin Cross arms						
	present qty to be paid vide EMB page NO (176)					=> 80.00 NO's	
	@ Rs 106.00/NO		=>	8480.00			
	previous qty paid vide 1st and part bill					=> 0.00 NO's	

M. A. R. 57 (Rule 116) No. E 583550
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Item No E44: LT Aerial Bunched cable 3x95+1x70+1x35 Sqmm steel light						
	present Qty to be paid vide EMB page No (176)						=> 1.50 Kmtr
	@ Rs 467298.00/Kmt						=> 700947.00
	previous Qty paid vide 1st and part bill						=> 0.00 kmtr
	Item No E45: Labour charges for LT Aerial Bunched Cable.						
	present Qty to be paid vide EMB page No (176)						=> 1.50 kmtr
	@ Rs 22469/Kmtr						=> 33703.50
	previous Qty paid vide 1st and part bill						=> 0.00 kmtr

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E46: piercing connector Suitable for 16 Sq mm AB cable + Service present Qty to be paid vide EMB page NO (176) => 80.00 NO's @ Rs 235.00/NO => 18800.00						
	previous Qty paid vide 1st and part bill => 0.00 NO's						
	Item NO E47: Labour charges for piercing connector Suitable for 16 Sq mm present Qty to be paid vide EMB page NO (177) => 80.00 NO's @ Rs 85.00/NO => 6800.00						
	previous Qty paid vide 1st and part bill => 0.00 NO's						
	Item NO E48: Suspension clamp Assembly 16 to 70mm (Excluding pole clamp) present Qty to be paid vide EMB page NO (177) => 80.00 Set @ Rs 196.00/Set => 15680.00						
	previous Qty paid vide 1st and Part bill => 0.00 Set.						

M. A. R. 57 (Rule 116) **No. E** 583551

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E49: Labours charges for Suspension clamp Assembly 16 to 70 mm						
	present Qty to be paid vide EMB page NO (177)					=> 80.00 Set	
	@ Rs 127.00/set					=> 10160.00	
	previous Qty paid vide 1st and part bill					=>	0.00 Set
	Item NO E50; Universal Hook and bolt & Nuts						
	present Qty to be paid vide EMB page NO (177)					=> 80.00 NO's	
	@ Rs 314.00/NO's					=> 25120.00	
	previous Qty paid vide 1st and part bill					=>	0.00 NO's

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No ES1: Labour charges for Universal Hook and bolt & Nuts						
	present Qty to be paid vide EMB page No (178)					=> 80.00 NO's	
	@ Rs 169.00/NO		=>	13520.00			
	Previous Qty paid vide 1st and part bill					=> 0.00 NO's	
	Item No ES2: Dead End clamp/Anchor clamp Assembly 16 to 70 sq mm						
	present Qty to be paid vide EMB page No (178)					=> 20.00 set	
	@ Rs 206.00/set		=>	4120.00			
	Previous Qty paid vide 1st and part bill					=> 0.00 set	
	Item No ES3: Labour charges for Dead end clamp/Anchor clamp Assembly						
	present Qty to be paid vide EMB page No (178)					=> 20.00 Sets	
	@ Rs 127.00/set		=>	2540.00			
	Previous Qty paid vide 1st and part bill					=> 0.00 Sets	

M. A. R. 57 (Rule 116) No. E 583552

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E54: pole clamp for HT/LT AB cable.						
	present Qty to be paid vide EMB page NO (178)					=> 50.00 sets	
	@ Rs 103.00/set	=>	5150.00				
	previous Qty paid vide 1st and part bill					=> 0.00 set	
	Item NO E55: Labour charges for pole clamp for HT/LT AB cable.						
	present Qty to be paid vide EMB page NO (178)					=> 50.00 sets	
	@ Rs 211.00/set	=>	10550.00				
	previous Qty paid vide 1st and part bill					=> 0.00 sets	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

PART-B Releasing and Refixing

Item NO E56: Labour charges for Releasing of 8mtr PCC/PSC pole

present Qty to be paid vide EMB page NO (179) => 25.00 NO's

@ Rs 1166.00/NO => 29150.00

previous Qty paid vide 1st and part bill => 0.00 NO

Item NO E57: Labour charges for Releasing of 8mtr PCC/PSC pole Re erection

present Qty to be paid vide EMB page NO (179) => 55.00 NO's

@ Rs 2215.00/NO => 121825.00

previous Qty paid vide 1st and part bill => 0.00 NO

Item NO E58; Labour charges for releasing and re stringing of LT AB Cable

present Qty to be paid vide EMB page NO (179) => 1.90 Kmtr

@ Rs 22469.00/Kmtr => 42691.10

previous Qty paid vide 1st and part bill => 0.00 Kmtr

M. A. R. 57 (Rule 116) No. E 583553

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No E59: Labour charges for Releasing and Re-fixing of Single pole transformer present Qty to be paid vide EMB page No (179) => 3.00 Set @ Rs 2238.00/Set => 6714.00 previous Qty paid vide 1st and part bill => 0.00 set						
	Item No E60: Labour charges for Releasing and Re-fixing of GOS 200A present Qty to be paid vide EMB page No (179) => 9.00 Set @ Rs 700.00/Set => 6300.00 previous Qty paid vide 1st and part bill => 0.00 set.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No E61: Labour charges for Releasing and Refixing of H Frame for GOS. Mounting						
	present Qty to be paid vide EMB page No (180) => 3.00 Set						
	@ Rs 174.00/set => 522.00						
	previous Qty paid vide 1st and part bill => 0.00 set						
	Item No E62: Labour charges for Releasing and Re-wiring of H wiring kit						
	present Qty to be paid vide EMB page No (180) => 3.00 set						
	@ Rs 644.00/set => 1932.00						
	previous Qty paid vide 1st and part bill => 0.00 set						
	Item No E63: Labour charges for Releasing and Refixing of LTD BOP						
	presents Qty to be paid vide EMB page No (180) => 3.00 Nos						
	@ Rs 501.00/No => 1503.00						
	previous Qty paid vide 1st and part bill => 0.00 set						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583554

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Item NO E64: Labour charges for Releasing and Re hoisting of 1x250kva present Qty to be paid vide EMB page NO (180)				=> 3.00 NO's	
	@ Rs 1001.00/NO's		=>	3003.00		
	previous paid qty vide 1st and part bill				=> 0.00 no's	
	Item NO E65: Labour charges for Releasing and refixing of DTC metering Box present Qty to be paid vide EMB page NO (181)				=> 3.00 NO's	
	@ Rs. 511.00/NO		=>	1533.00		
	previous qty paid vide 1st and part bill				=> 0.00 NOS	
	Item NO E66: Labour charges for Releasing and Re-fixing of DTC meter. present Qty to be paid vide EMB page NO (181)				=> 3.00 NOS	
	@ RS 631.00/NO		=>	1893.00		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	previous Qty paid vide 1st and part bill => 0.00 No's						
	Item No E67: Labour charges for Releasing and Re-fixing of HG Fuse Unit						
	present Qty to be paid vide EMB page No (181) => 3.00 Set						
	@ Rs 375.00/set => 1125.00						
	previous Qty paid vide 1st and part bill => 0.00 set						
	Item No E68: Labour charges for flat foorm of size as per Item No-04 with bolt						
	present Qty to be paid vide EMB page No (181) => 3.00 Set						
	@ Rs 26401.00/set => 79203.00						
	previous Qty paid vide 1st and part bill => 0.00 set						
	Item No E69: Route and joint indicating stoneeds						
	present Qty to be paid vide EMB page No (18) => 2.00 No's						
	@ Rs 130.00/No => 260.00						
	previous Qty paid vide 1st and part bill => 0.00 No						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583555

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E70: Labour charges for route and joint indicating Stone.						
	present qty to be paid vide EMB page no (82)					=> 2.00 no's	
	@ Rs 68.00/no			=>		136.00	
	previous qty paid vide 1st and part bill					=> 0.00 no.	
	Item no E71: Labour charges for foundation with reinforcement CC 1:2:4.						
	present qty to be paid vide EMB page no (82)					=> 12.96 Cum	
	@ Rs 5441.00/Cum			=>		70515.36	
	previous qty paid vide 1st and part bill					=> 0.00 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E72: Labour charges for providing Reinforcement As per labour charges						
	present Qty to be paid vide EMB page NO (182) => 126.00 Kgs						
	@ Rs 60.48/Kg => 7620.48						
	previous Qty paid vide 1st and part bill => 0.00 Kgs						
	Item NO E73: Labour charges for Supplying of Frame of MS channel 100x50mm						
	present Qty to be paid vide EMB page NO (182) => 150.00 Kgs						
	@ Rs 50.00/Kgs => 7500.00						
	previous Qty paid vide 1st and part bill => 0.000 Kgs						
	Item NO E74: Labour charges for Rod type Earthing with 40mm dia 3m long						
	present Qty to be paid vide EMB page NO (183) => 6.00 NO's						
	@ Rs 2000.00/NO => 12000.00						
	previous Qty paid vide 1st and part bill => 0.00 NO's						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583556

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO E75: Labour charges for Lettering 15e RMU with Enamel paint						
	present Qty to be paid vide EMB page NO (183) => 9.00 NO's						
	@ Rs 656.00/NO => 5904.00						
	previous Qty paid vide 1st and part bill => 0.00 NO'						
	Item NO E76: Labour charges for earth work Excavation for RMU						
	present Qty to be paid vide EMB page NO (83) => 29.97 Cum						
	@ Rs 189.00/Cum => 5664.33						
	previous Qty paid vide 1st and part bill => 0.00 NO'						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item no E77: Labour charges for Earth work Excavation for RMU foundation						
	present qty to be paid vide EMB page no (183) => 9.00 nos						
	@ Rs 3120.00/no => 28080.00						
	previous qty paid vide 1st and part bill => 0.000 nos						
	Item no E78: Earthing materials pipe type for grounding as per Drawing						
	present qty to be paid vide EMB page no (184) => 12.00 set						
	@ Rs 1501.00/set => 18012.00						
	previous qty paid vide 1st and part bill => 0.00 nos						
	Item no E79: Labour charges for Earthing materials pipe type for grou						
	present qty to be paid vide EMB page no (184) => 12.00 set						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

583557

Serial No. .....

Name of work ..... From ..... To .....

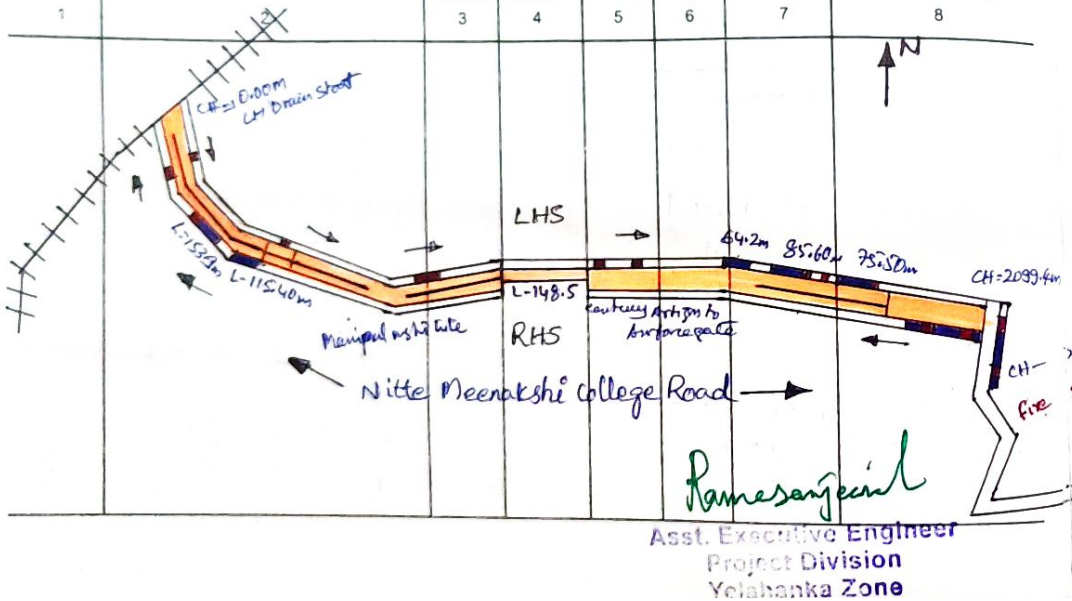
Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rs 631.00/sft => previous qty paid vide			7272.00			
						1st and part bill =>	0.00 sft.
	Sub Total =>					94163708.56	
	GST 18% =>					16949467.73	
	TOTAL =>					111113180.28	
	Certified that the wooddone is Satisfactorily					Paid 11110000.00	11,11,0,000
						Ramesajeeniel	
						Asst. Executive Engineer	8/9/2023
						Project Division	
						Yelahanka Zone	
						BBMP, Bangalore - 92	
						8/9/2023	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

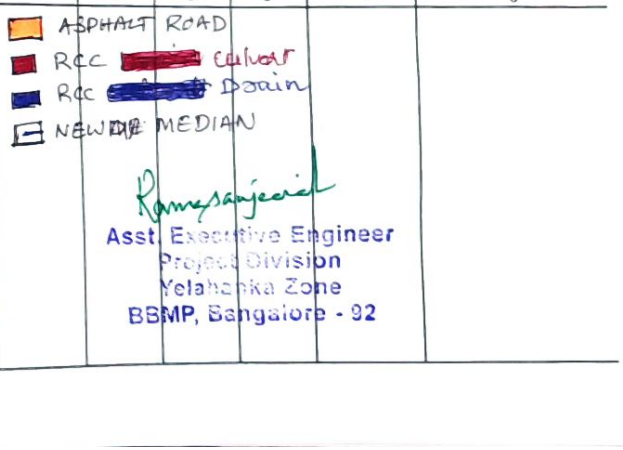


Ramesanjeevi
Asst. Executive Engineer
Project Division
Yelahanka Zone

M. A. R. 57 (Rule 116) No. E
Measurement Book
583558

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Ramesanjeevi
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

2nd & Final

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	P 3856						
	Head of Account.....						
	Audited & admitted for Rs. 11111000.00						
	.....						
	10039680.00						
	.....by Cheque						
	and Rs. 105132.00 by Adjustment						
	M Accts Clerk Project Division						
	Asst. Supdt. Project Division B.B.M.P.						
	Exe. Engineer Project Division B.B.M.P						
29/12/23							